

Listing of the Claims:

Claim 1 (Currently Amended): A bowl mill for a coal pulverizer with an air mill for primary entry of air, comprising a substantially closed separator body (2) having a central axis; and a bowl-like grinding table (3) mounted on a shaft (4) rotatable about said central axis, cooperating with a plurality of grinding rolls (6); characterized in that said air mill is provided with multiple entry annular openings (17', 17"; 18', 18"; 21, 25) on the outer wall of said air mill of first or second configuration wherein in the first configuration only a height (h_2) of an opening of the multiple entry annular openings is varied while width (w) remains the same and in the second configuration both the height and the width of the opening are varied simultaneously keeping total area of entry the same as area of entry of a single opening, resulting in better uniformity in air flow around the air mill section and minimizing formation of eddies and vortices.

Claim 2 (Previously Presented): The bowl mill of claim 1 wherein said multiple entry annular openings of primary air comprise double entry annular openings (17', 17"; 18', 18"; 21, 25), which are set 180° from one another.

Claim 3 (Currently Amended): ~~The~~ A bowl mill of claim 1 for a coal pulverizer with an air mill for primary entry of air, comprising a substantially closed separator body (2) having a central axis; and a bowl-like grinding table (3) mounted on a shaft (4) rotatable about said central axis, cooperating with a plurality of grinding rolls (6); characterized in that said air mill is provided with multiple entry annular openings (17', 17"; 18', 18"; 21, 25) on the outer wall of said air mill, resulting in better uniformity in air

flow around the air mill section and minimizing formation of eddies and vortices,
wherein the cross sectional area of each opening of the multiple entry configuration is a
fraction of ~~the~~ an area required in a single entry configuration, the fractional area of each
entry being derived by dividing the area required for single entry by the number of entries
proposed.

Claim 4 (Currently Amended - Withdrawn): The bowl mill of claim ~~4~~ 3, wherein
two separate sets of inlet ductings are provided leading to said multiple entry annular
openings.

Claim 5 (Canceled).

Claim 6 (Currently Amended): The bowl mill of claim ~~5~~ 9, wherein ~~a blockage~~
an air directing vane (26) is provided upstream of said second opening (25) so that
primary air from the first opening (21) does not create turbulence.

Claim 7 (Currently Amended): The bowl mill of claim ~~5~~ 9, wherein the cross-
section of said duct (23) is gradually decreased up to section (27).

Claim 8 (Canceled).

Claim 9 (Currently Amended): ~~The~~ A bowl mill ~~of claim 1~~ for a coal pulverizer
with an air mill for primary entry of air, comprising a substantially closed separator body

(2) having a central axis; and a bowl-like grinding table (3) mounted on a shaft (4)
rotatable about said central axis, cooperating with a plurality of grinding rolls (6);
characterized in that said air mill is provided with multiple entry annular openings (17',
17"; 18', 18"; 21, 25) on the outer wall of said air mill, resulting in better uniformity in air
flow around the air mill section and minimizing formation of eddies and vortices,
~~wherein said~~ further comprising an inlet (19) which is bifurcated with a partition (28) for
allowing half of a primary air to enter the air mill through first opening (21) and the other
half of the primary air to enter a duct (23) leading to a second opening (25) which is set
180 degrees from the first opening (21) whereby the splits entry of the primary air into
the air mill.